

FIG. 1

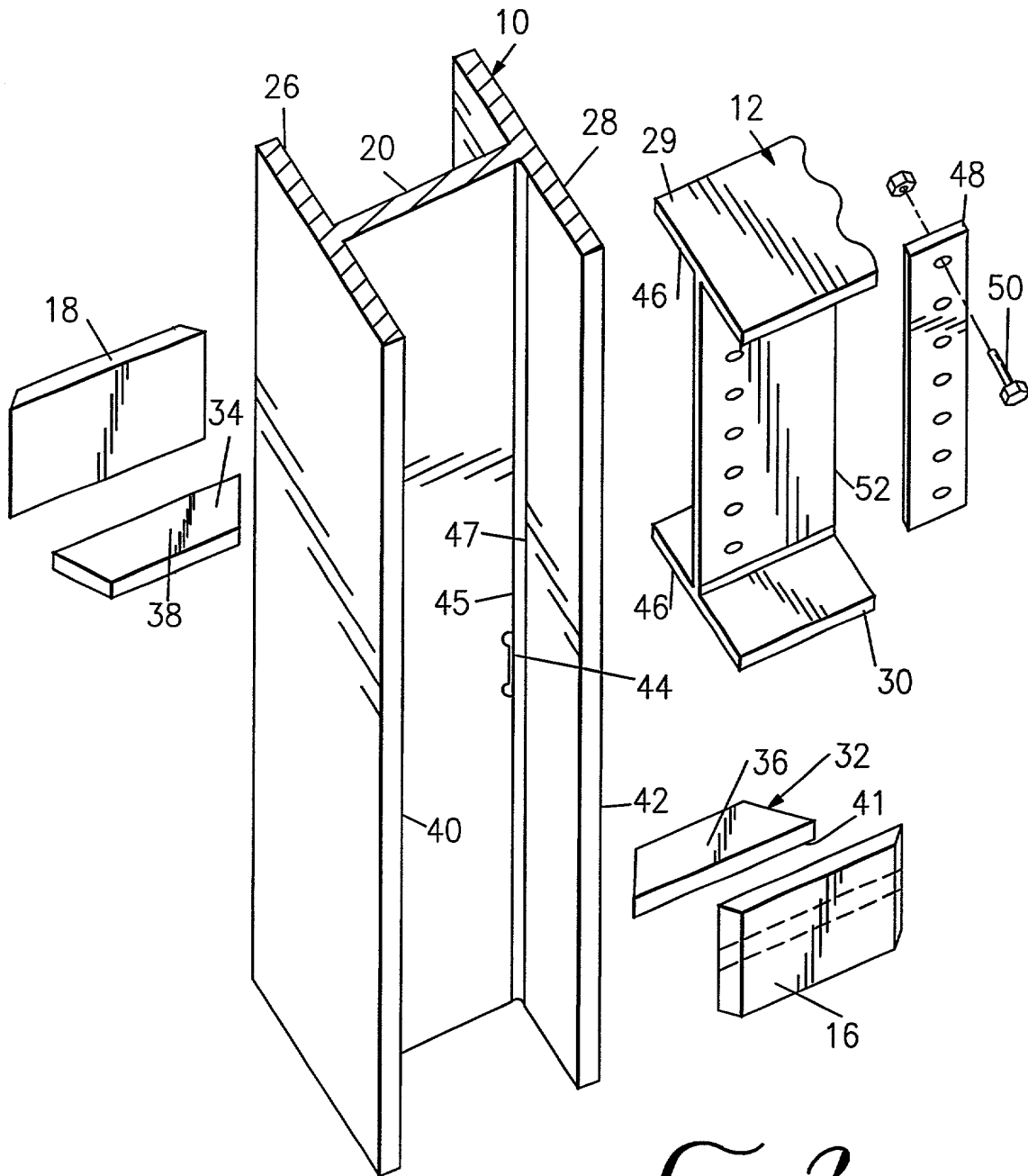
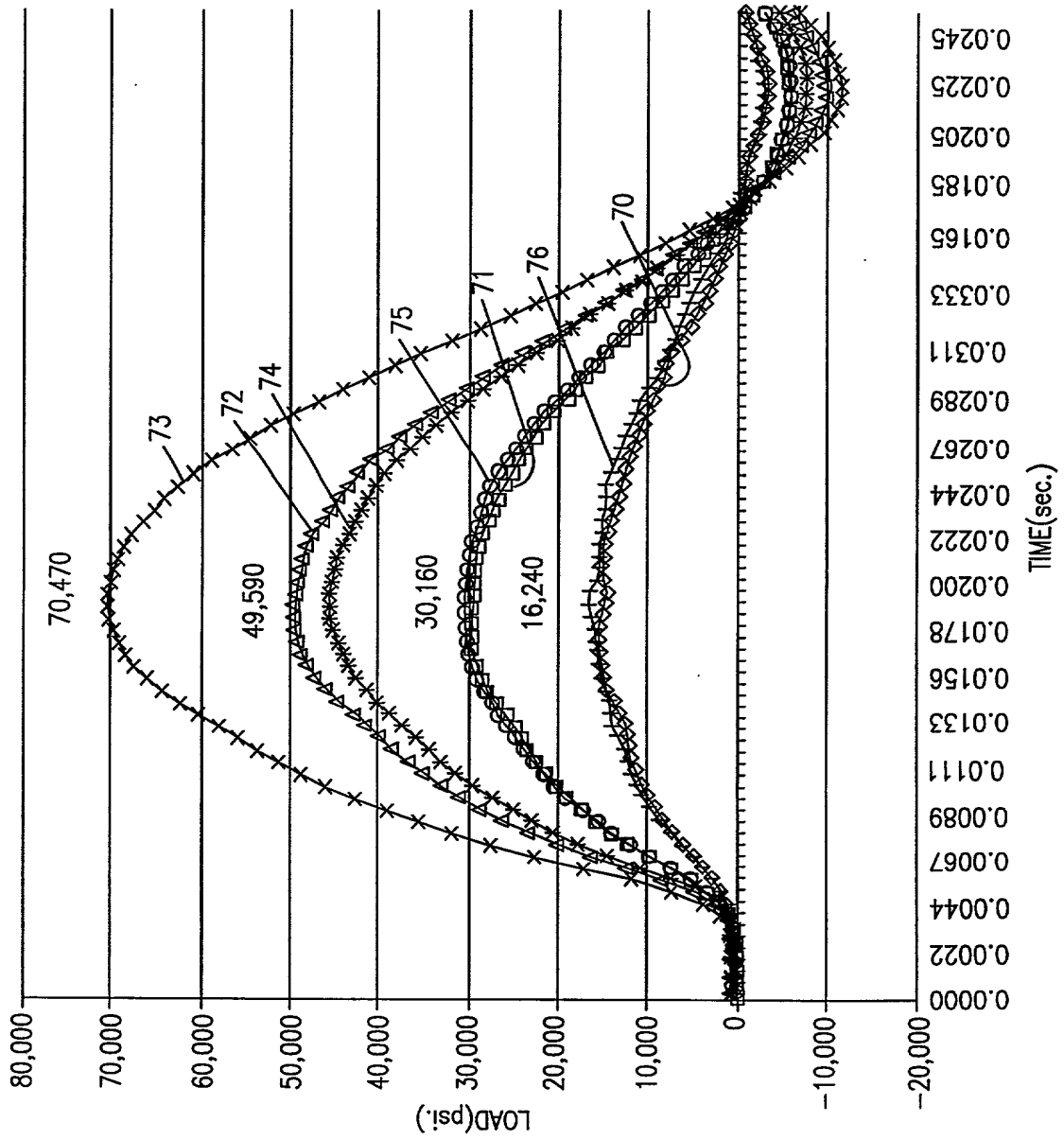


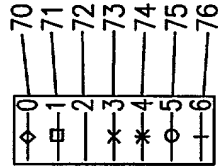
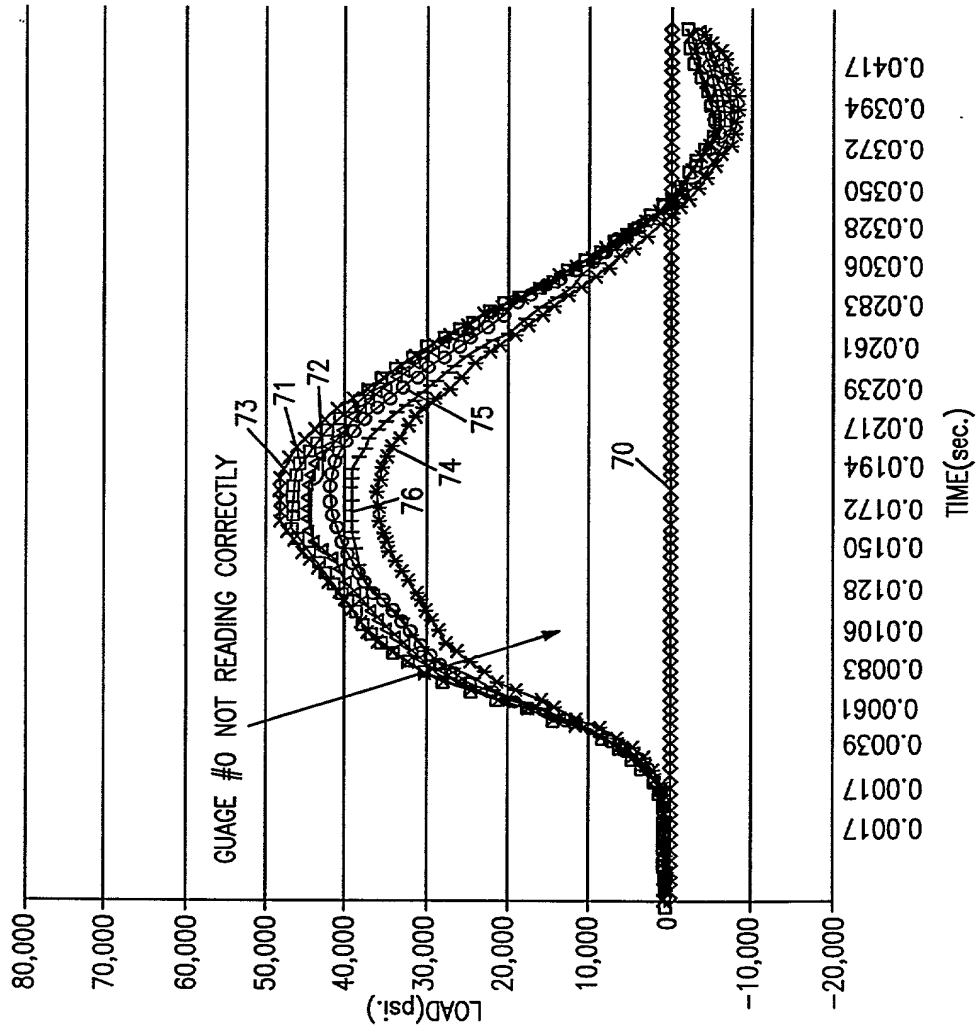
FIG. 2



SEISMIC SIMULATION 2000 LBS. 9" DROP (9'-6" MOMENT ARM)



SEISMIC SIMULATION 2000 LBS. 9" DROP (9'-6" MOMENT ARM)  
1" THICK BY 8" HIGH VERT. PLATE WITHIN COL. FLANGE W/TAPERED 1" THICK CONTINUITY  
PLATE. 4-1/2" SLOT CUT IN COL. WEB. NOTE CH 0 NOT READING CORRECTLY. (SET TO  
0 PSI.)



SEISMIC SIMULATION 2000 LBS. 9" DROP (9'-6" MOMENT ARM)

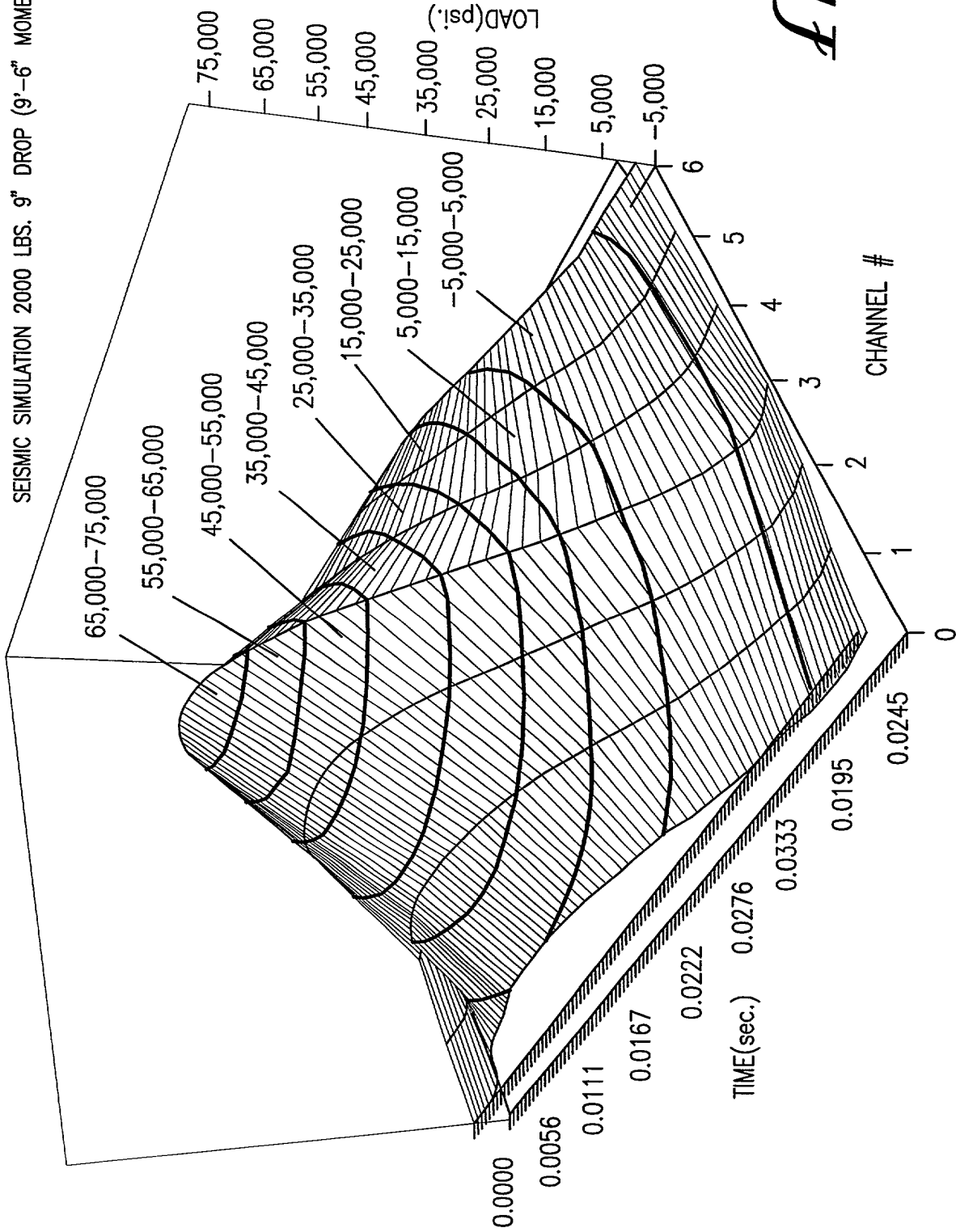


Fig. 7

SEISMIC SIMULATION 2000 LBS. 9" DROP (9'-6" MOMENT ARM)  
 1" THICK BY 8" HIGH VERT. PLATE WITHIN COL. FLANGE W/TAPERED 1" THICK CONTINUITY  
 PLATE. 4-1/2" SLOT CUT IN COL. WEB. NOTE CH 0 NOT READING CORRECTLY. (SET TO  
 0 PSI.)

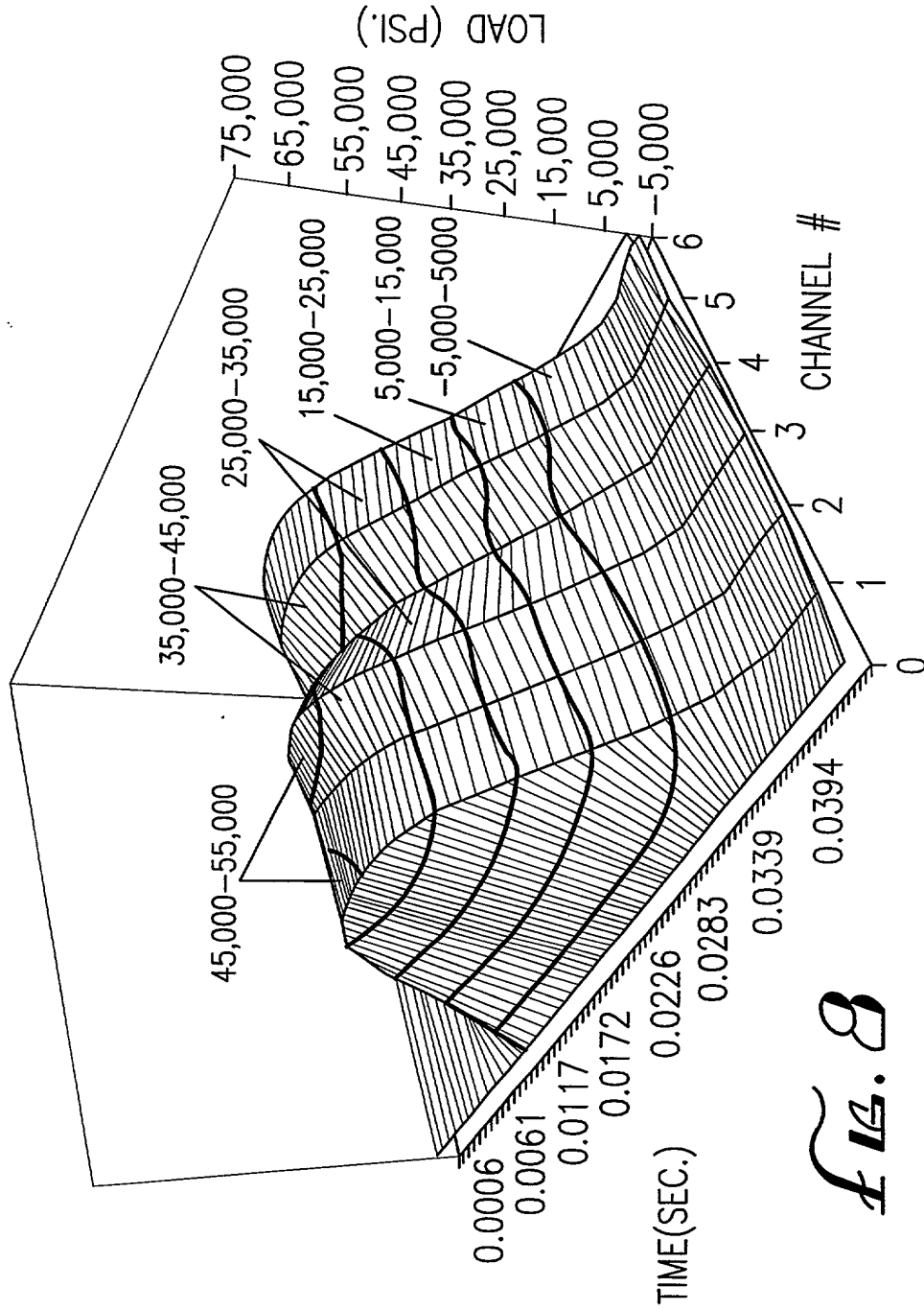
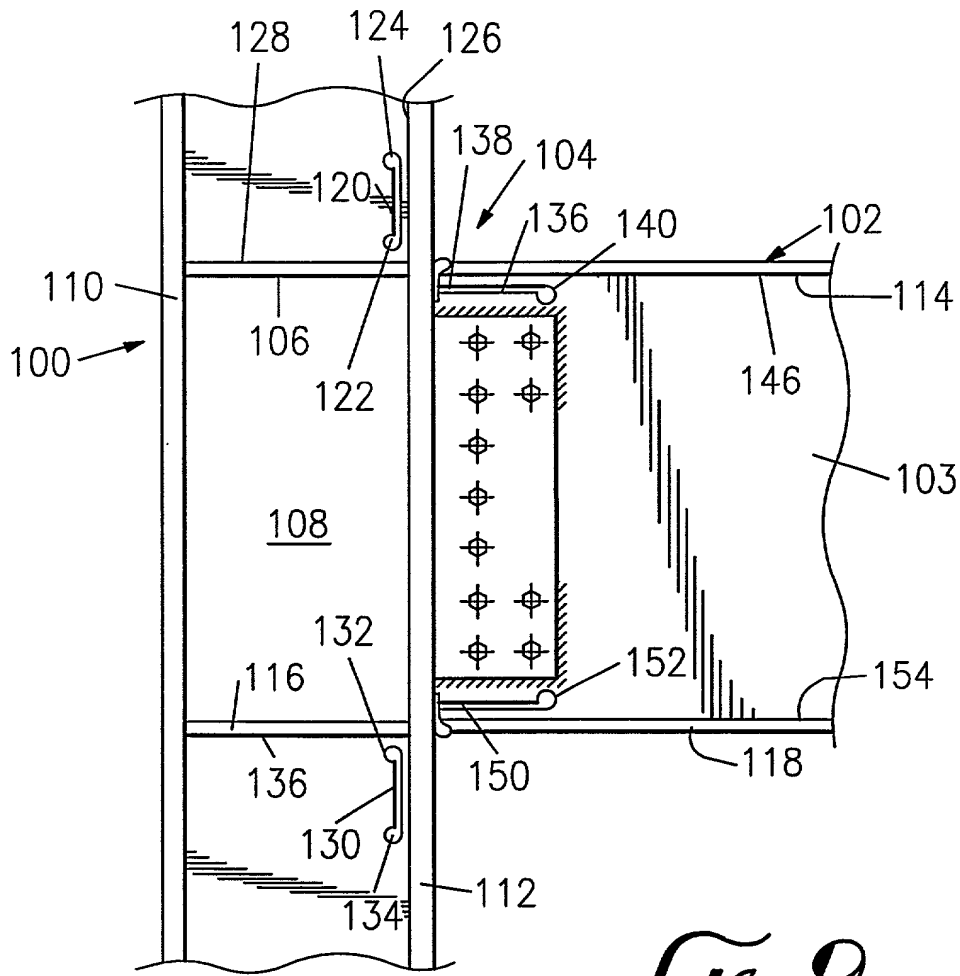
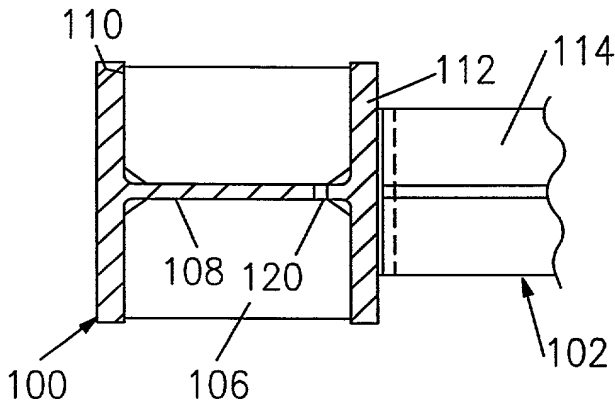


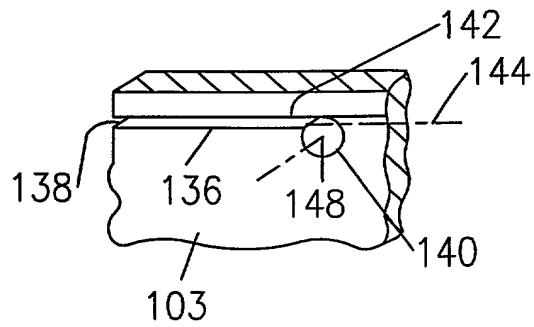
Fig. 8



*Fig. 9*



*Fig. 10*

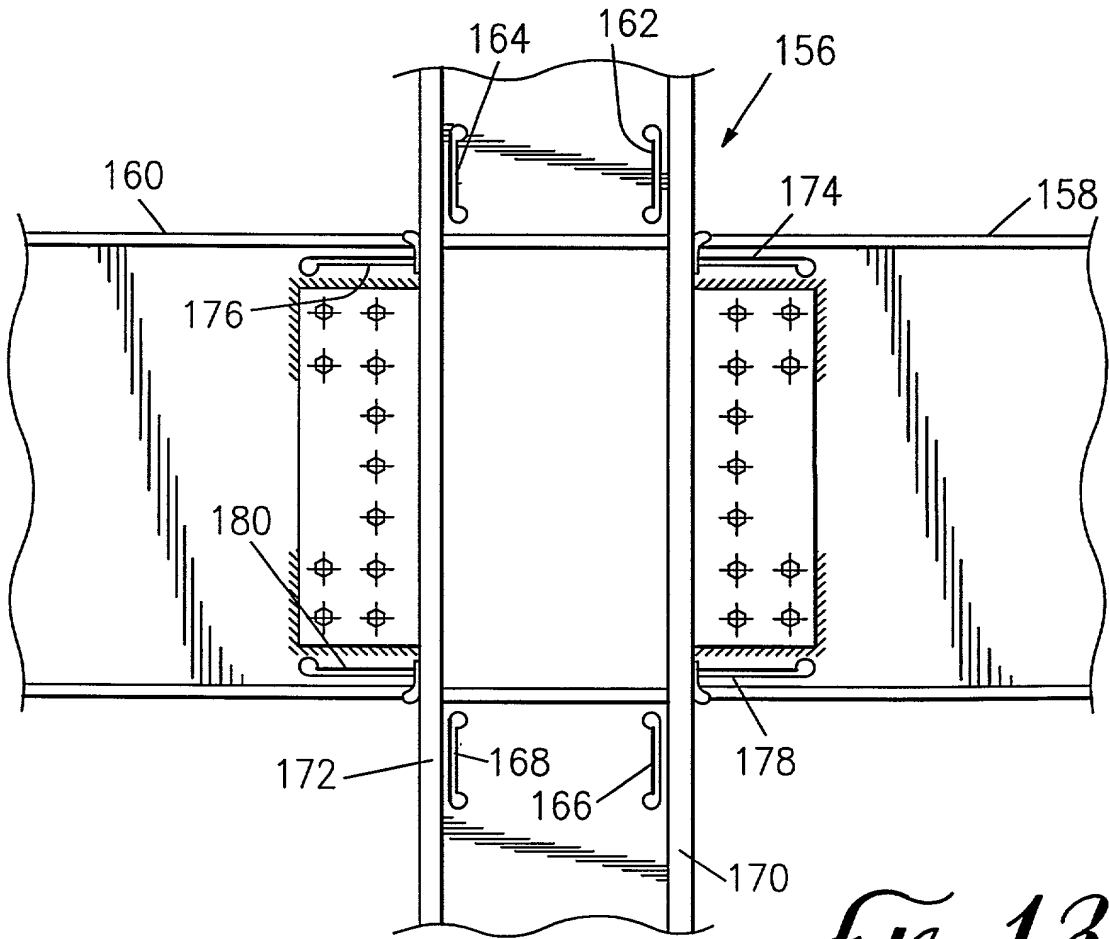
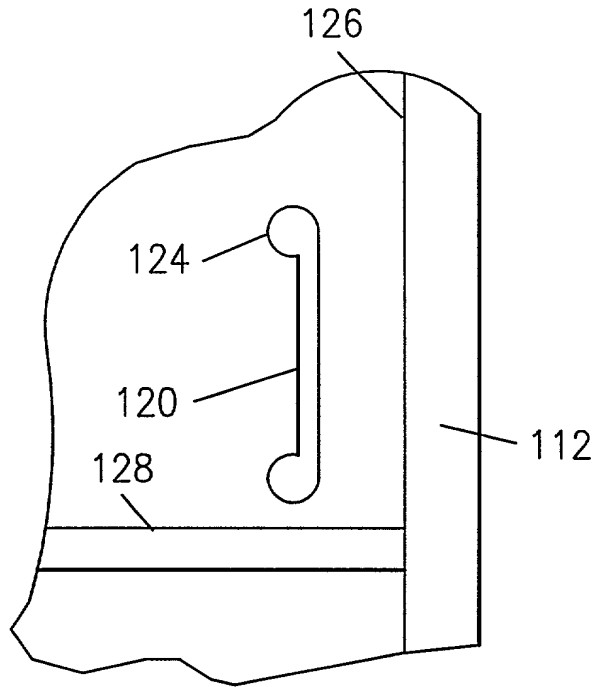


*Fig. 11*

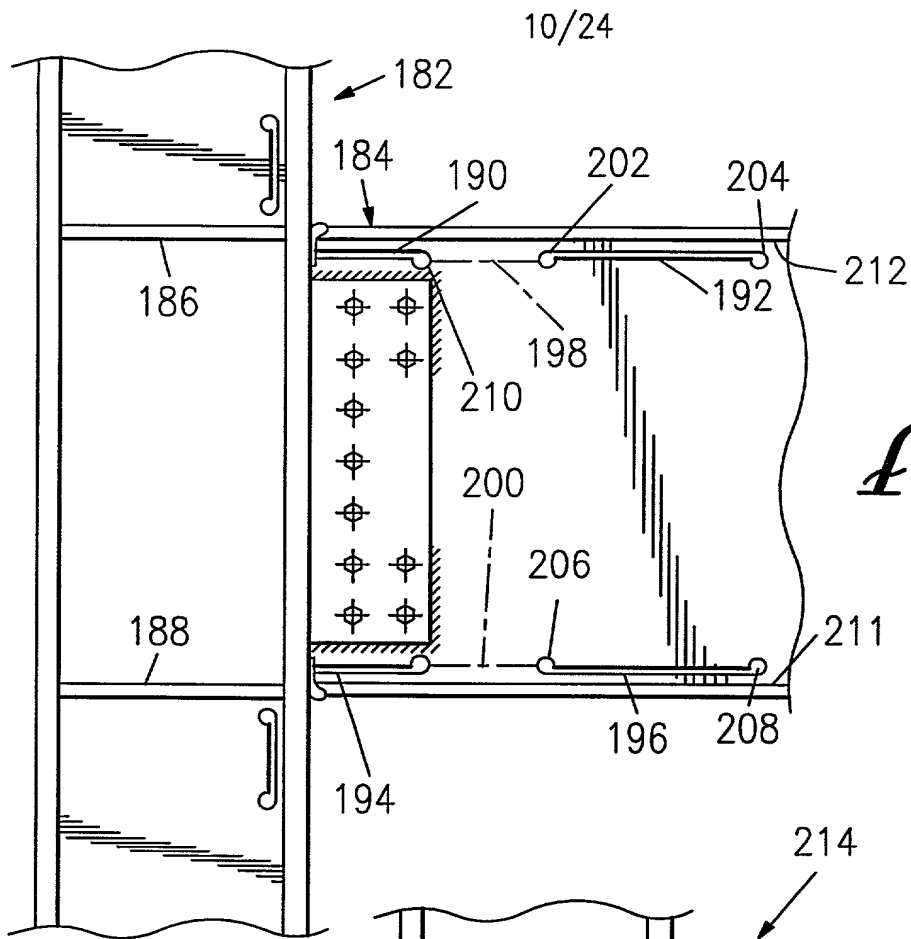


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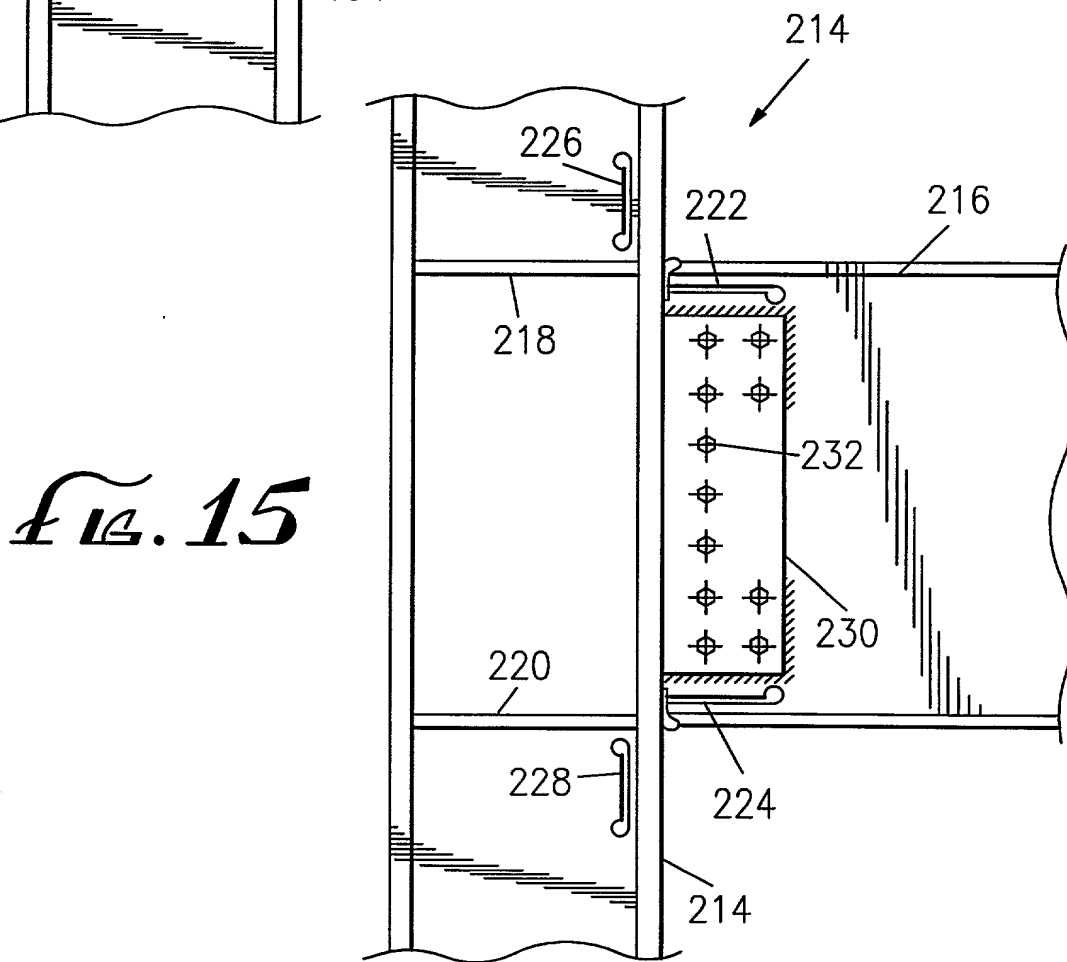
*Fig. 12*



*Fig. 13*



*Fig. 14*



*Fig. 15*

ANSYS 5.1 34  
JULY 31, 1995  
09:53:34  
DISPLACEMENT  
STEP=1  
SUB=1  
TIME=1  
RSYS=0  
DMX=1.114  
SEPC=26.872  
  
\*DSCA=50  
XV=1  
\*DIST=4.153  
\*XF=-3.943  
\*YF=12.822  
\*ZF=4.91  
CENTROID HIDDEN

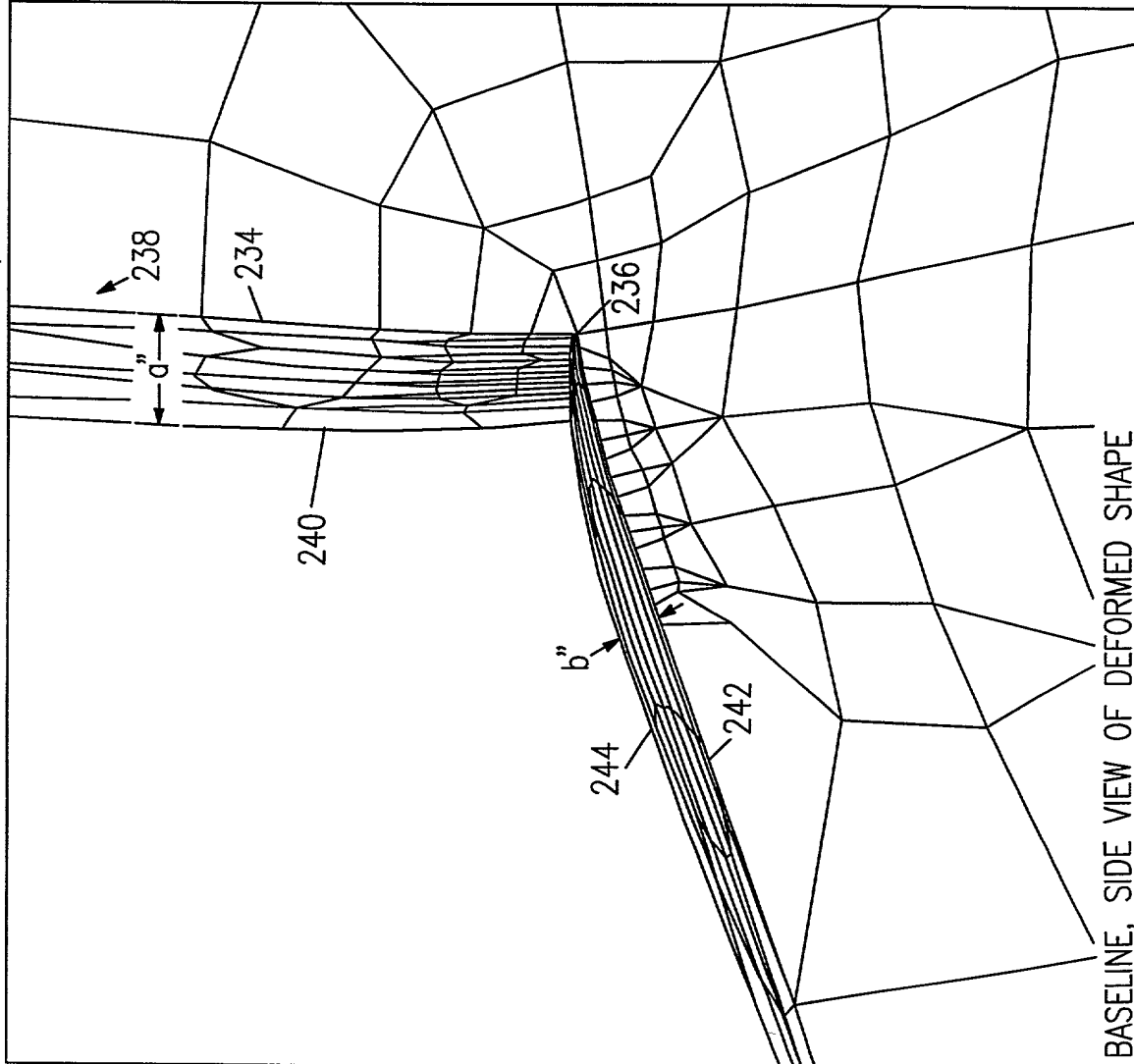
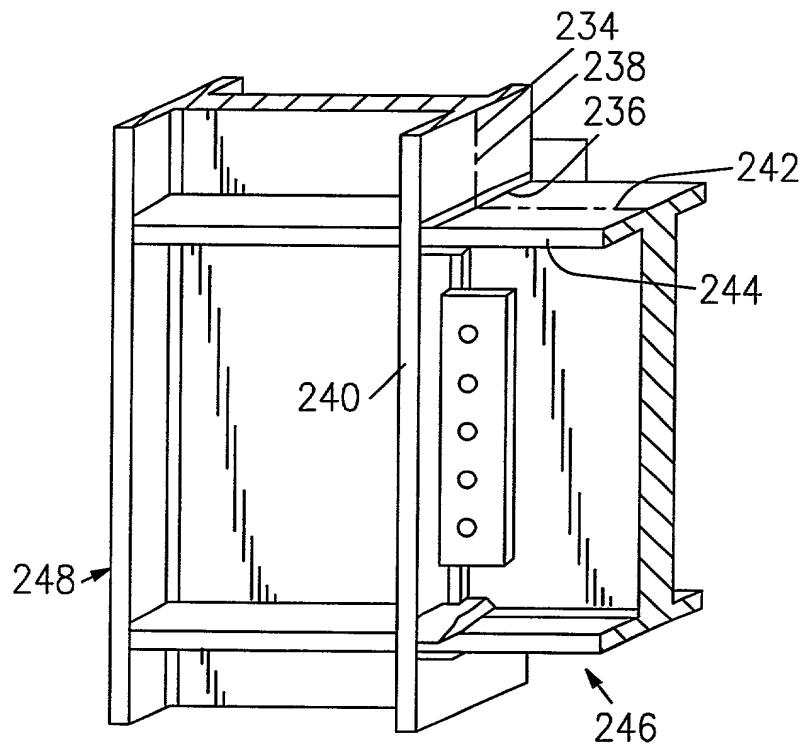
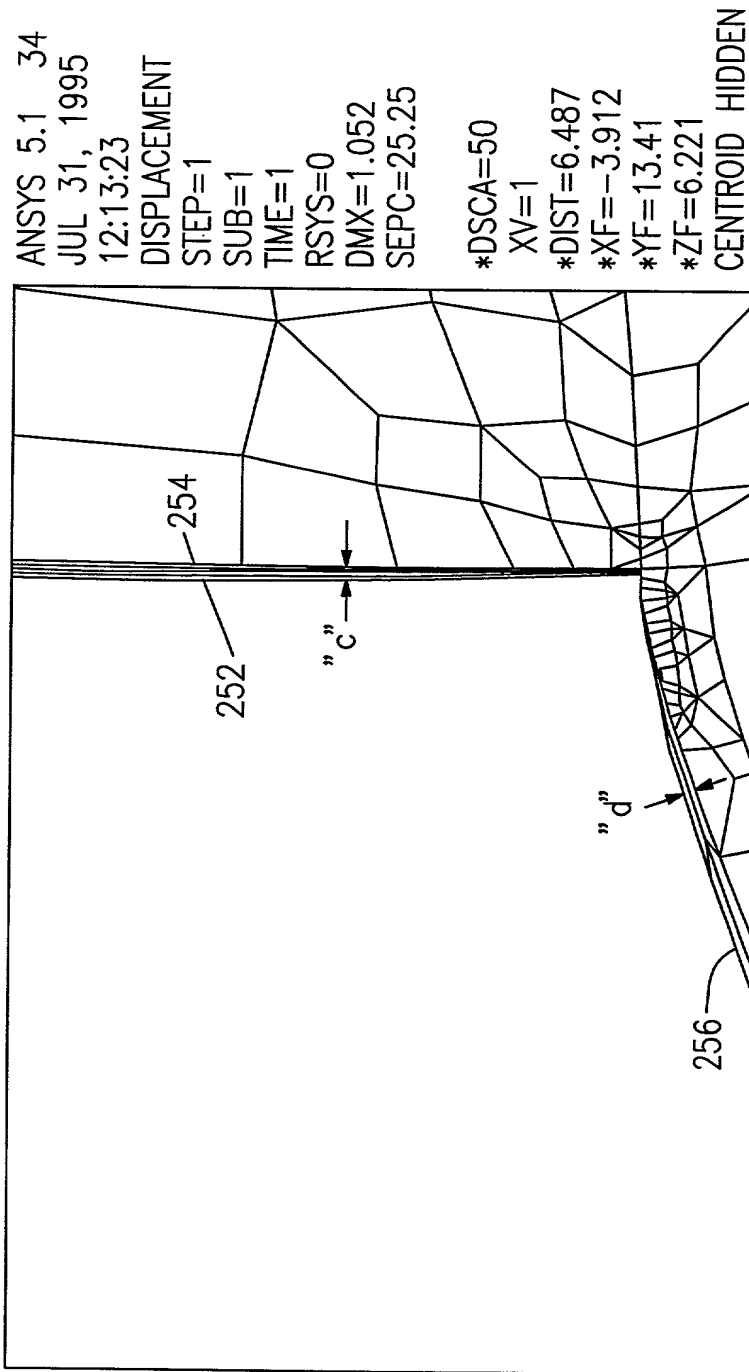


FIG. 10

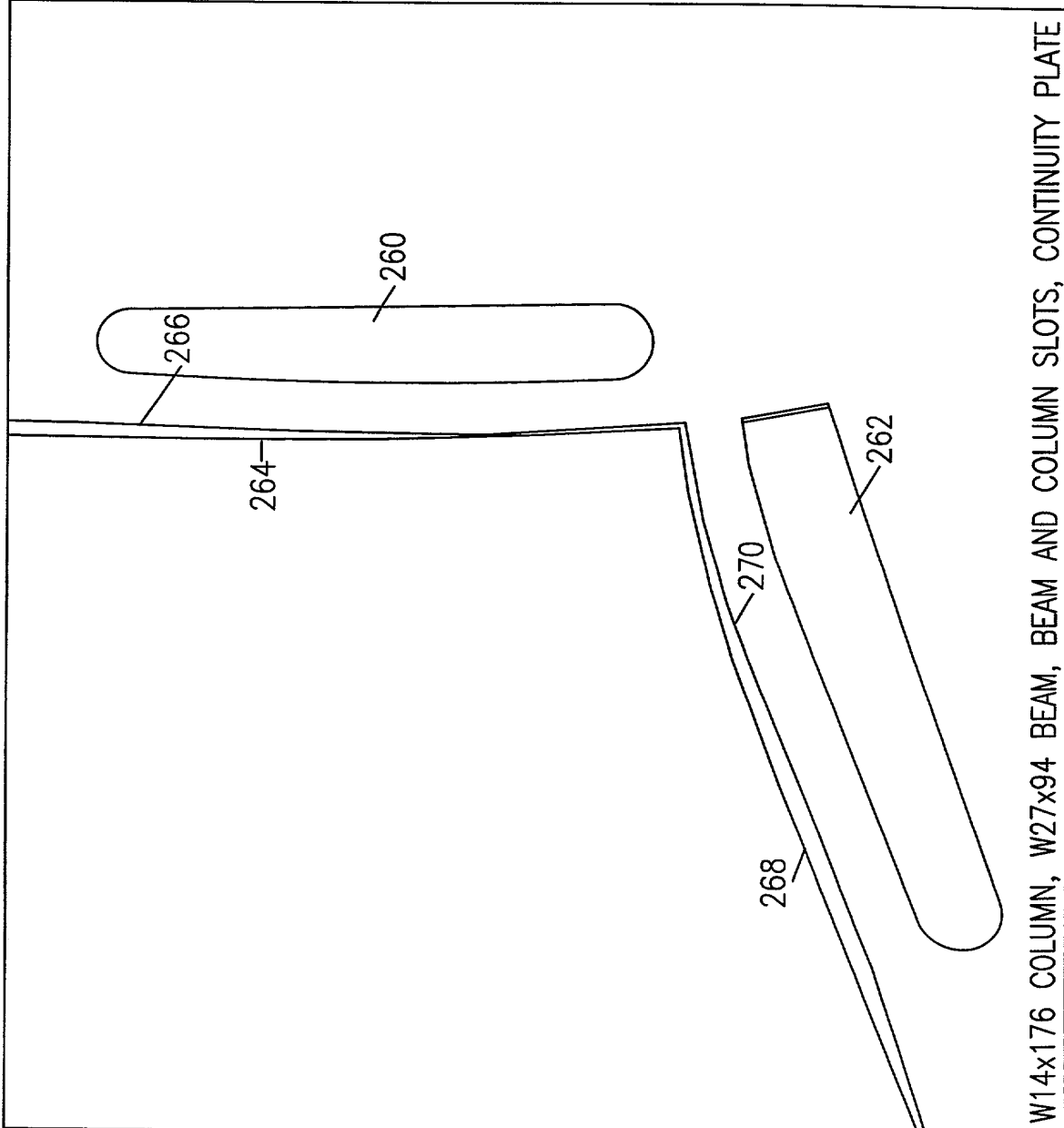


*Fig. 17*



ANSYS 5.1 34  
AUG 8, 1995  
23:47:27  
DISPLACEMENT  
STEP=1  
SUB=1  
TIME=1  
RSYS=0  
DMX=1.067  
SEPC=24.838  
  
\*DSCA=50  
XV=1  
\*DIST=6.361  
\*XF=-3.912  
\*YF=14.574  
\*ZF=5.901  
CENTROID HIDDEN  
EDGE

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W14x176 COLUMN, W27x94 BEAM, BEAM AND COLUMN SLOTS, CONTINUITY PLATE

Fig. 19

ANSYS 5.1 34  
AUG 21, 1995  
13:11:27

NODAL SOLUTION

STEP=1

SUB=37

TIME=3.445

UX

TOP

RSYS=0

DMX=3.544

SMN=-0.153612

SMX=2.209

-0.153612

0.108884

0.37138

0.633876

0.896371

1.159

1.421

1.684

1.946

2.209

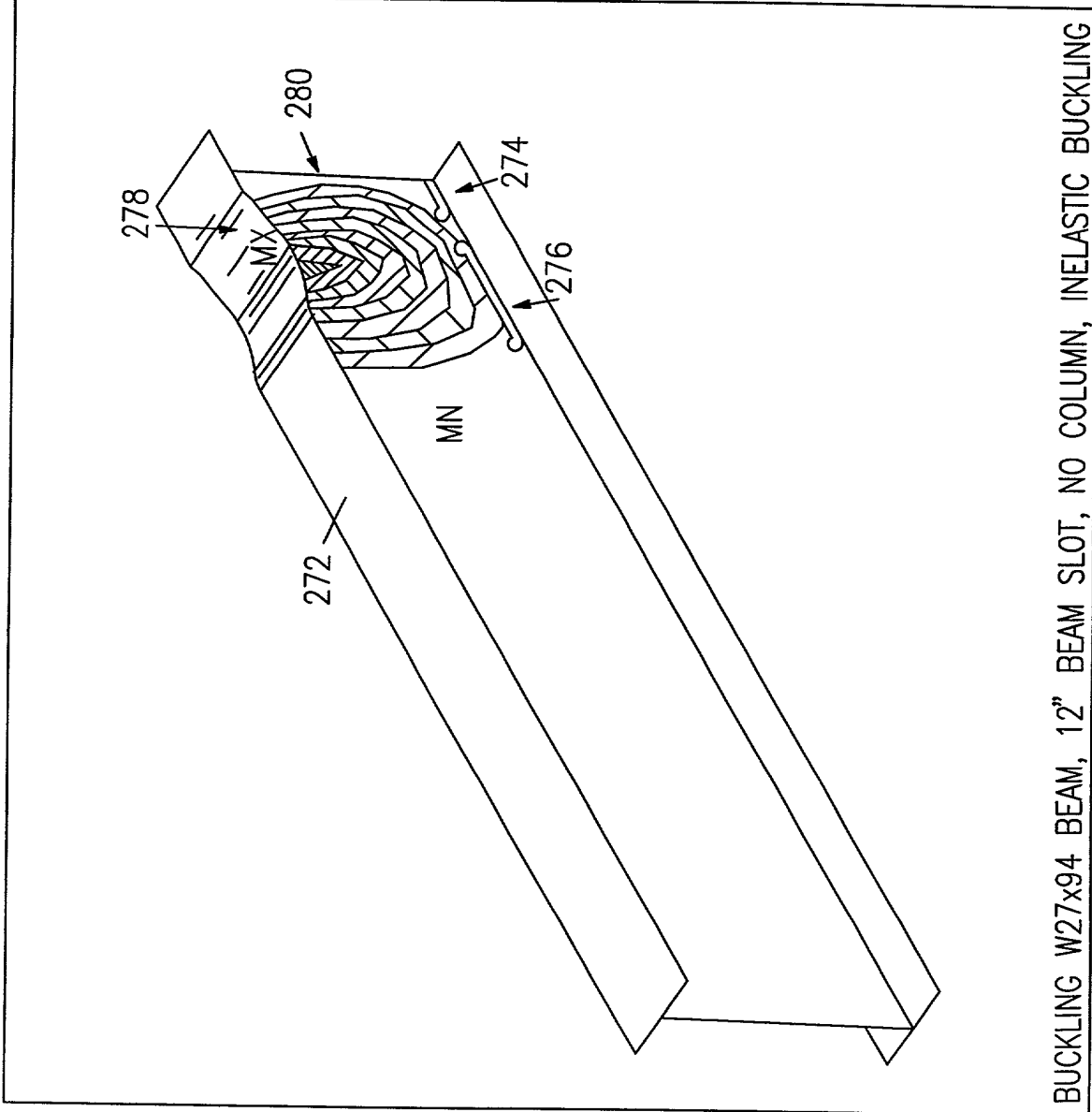
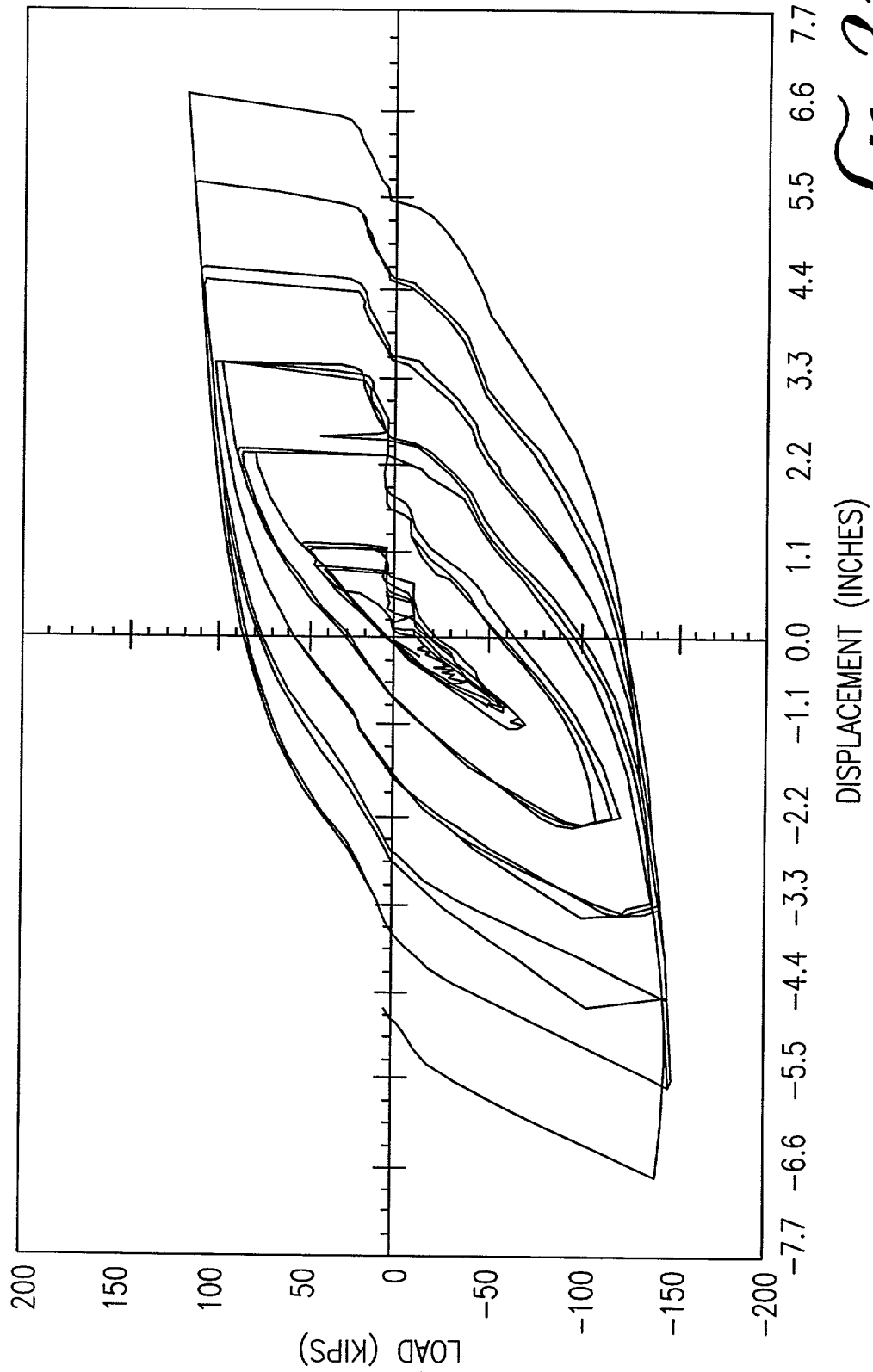


Fig. 20

DRAFT  
ATC-24 S.E. 'BMSLT1A' AUGUST 22, 1995



*Fig. 21*



Fig. 22

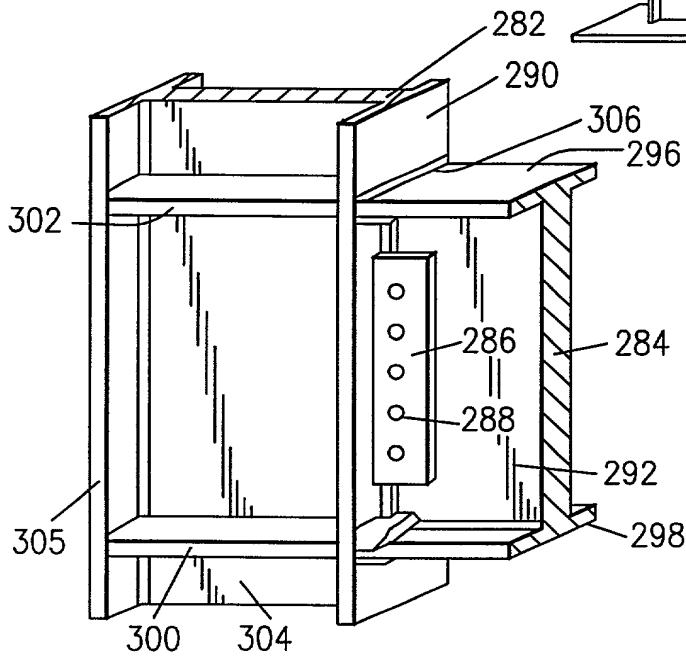
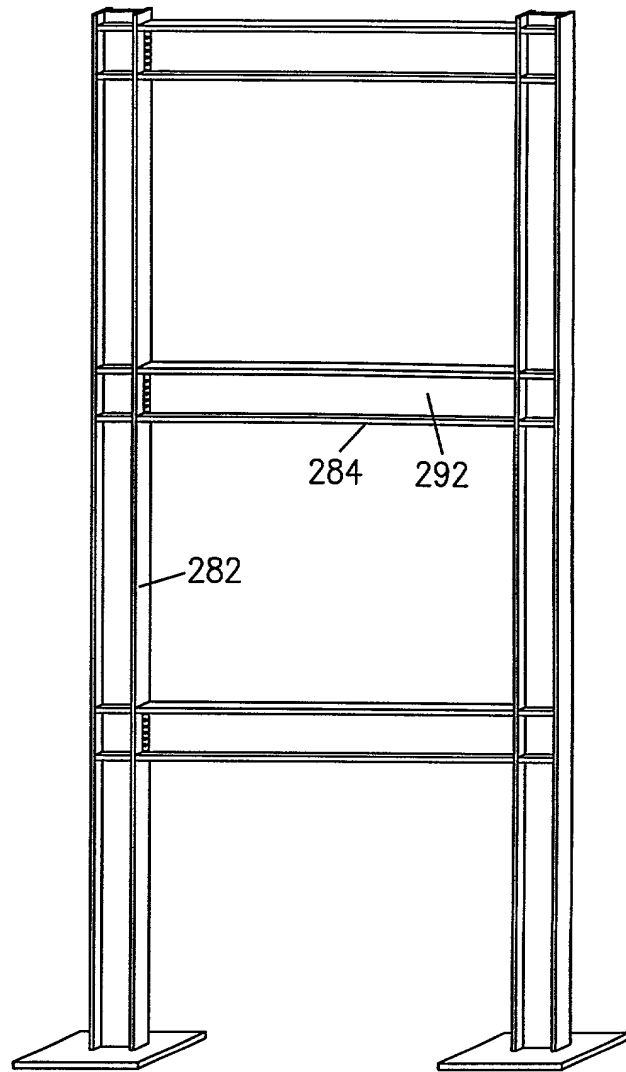
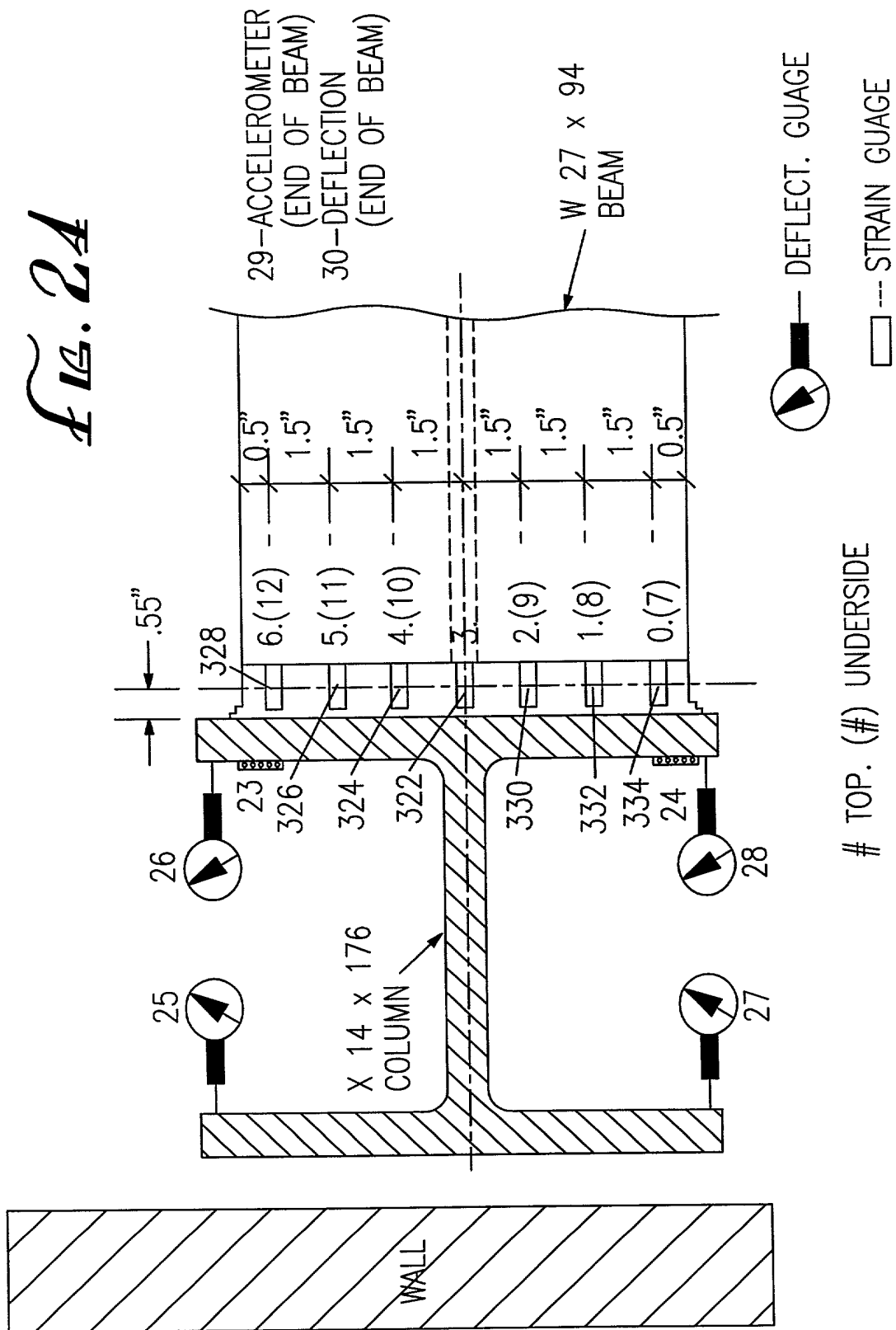


Fig. 23



T02050" 94424860

ANSYS 5.1  
 DEC 12, 1994  
 16:50:27  
 PLOT NO. 1  
 NODAL SOLUTION  
 STEP=1  
 SUB=1  
 TIME=1  
 SZ (AVG)  
 MIDDLE  
 RSYS=0  
 DMX=0.169782  
 SMN=-23234  
 SMX=23234

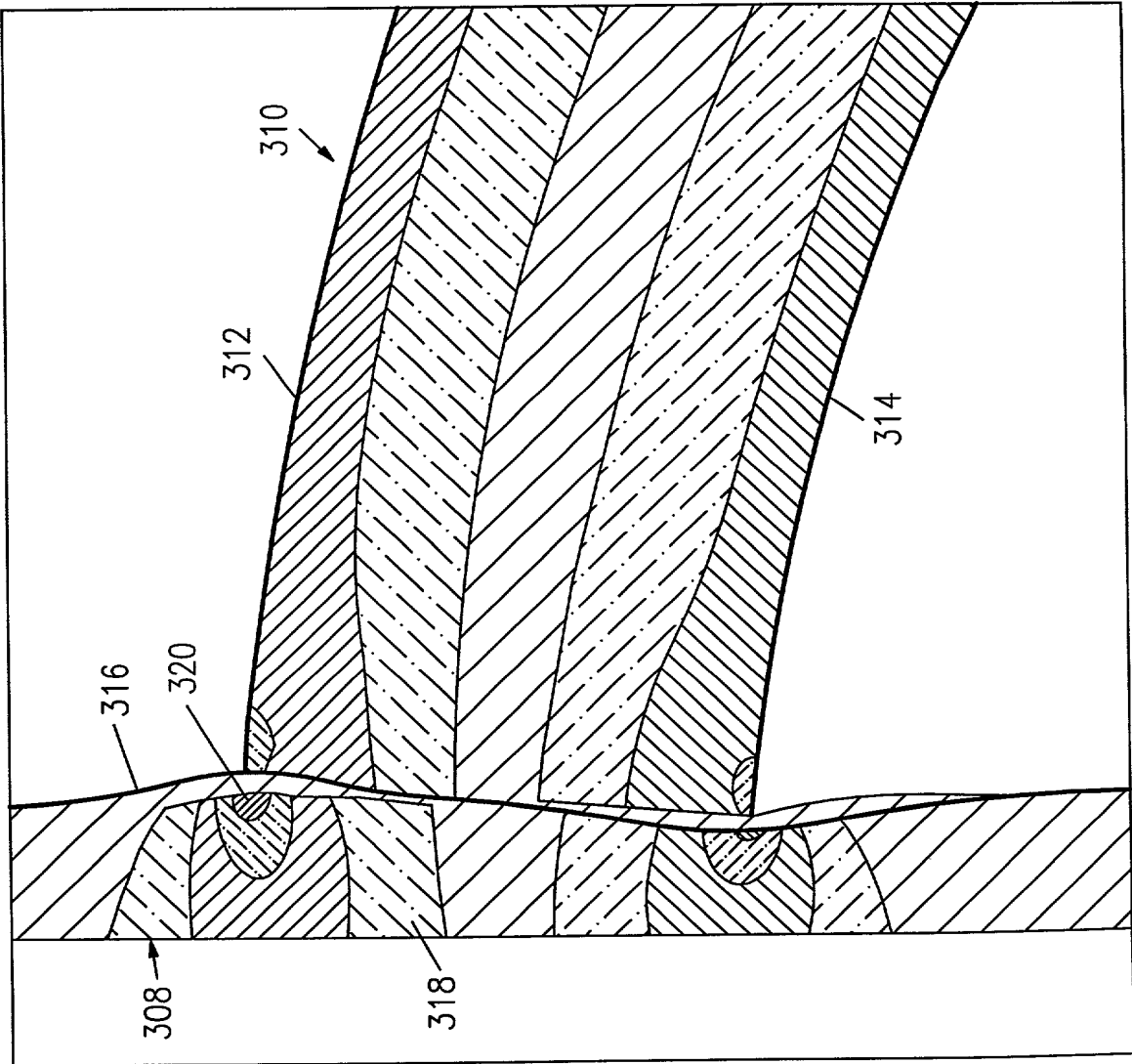
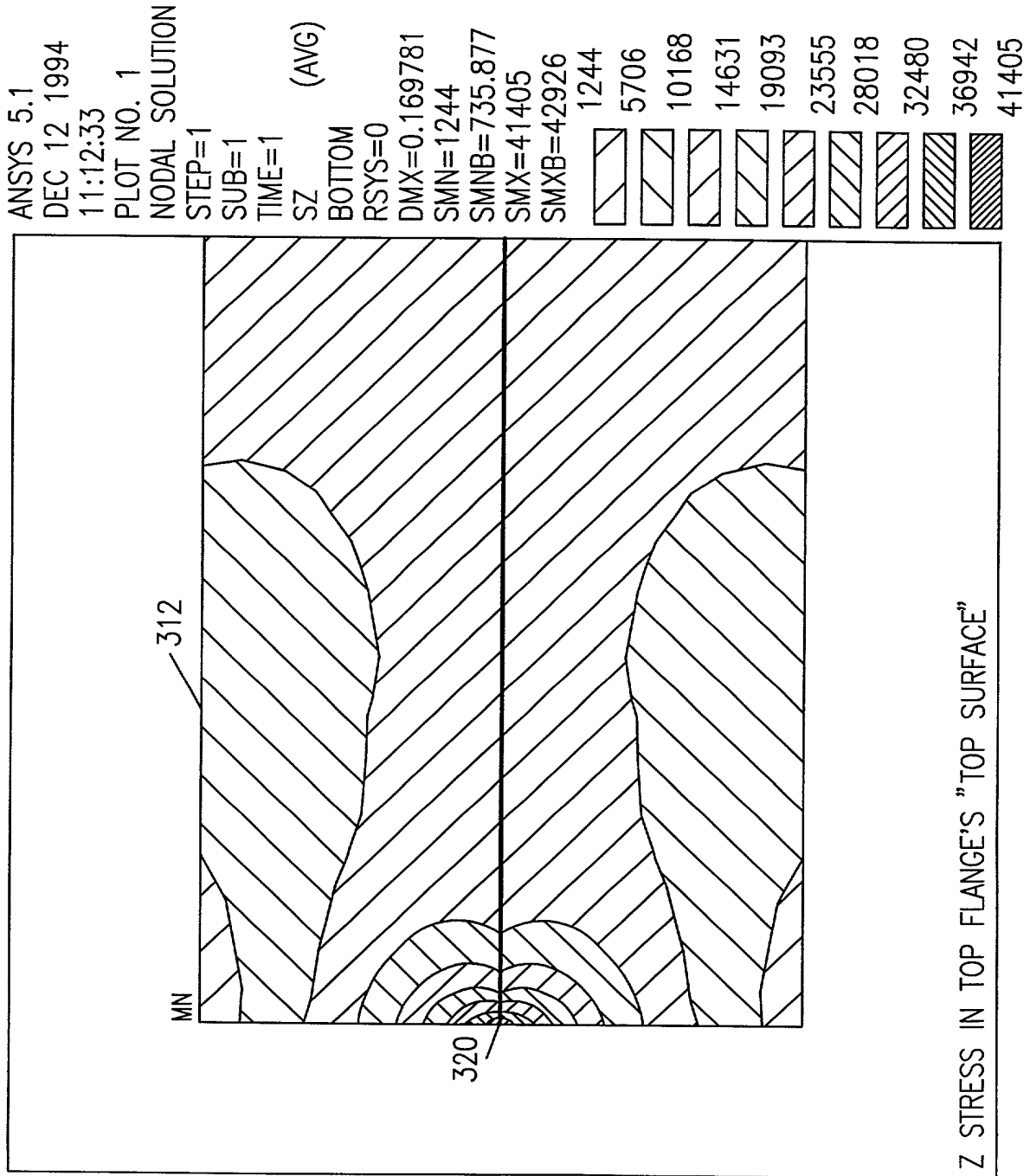
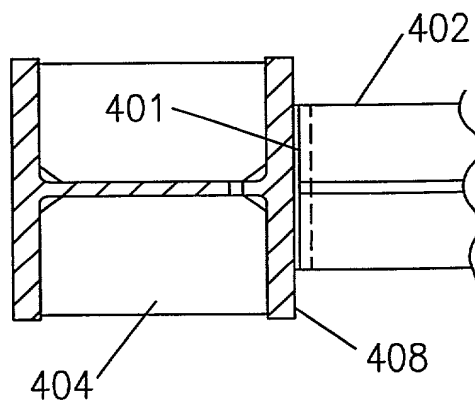
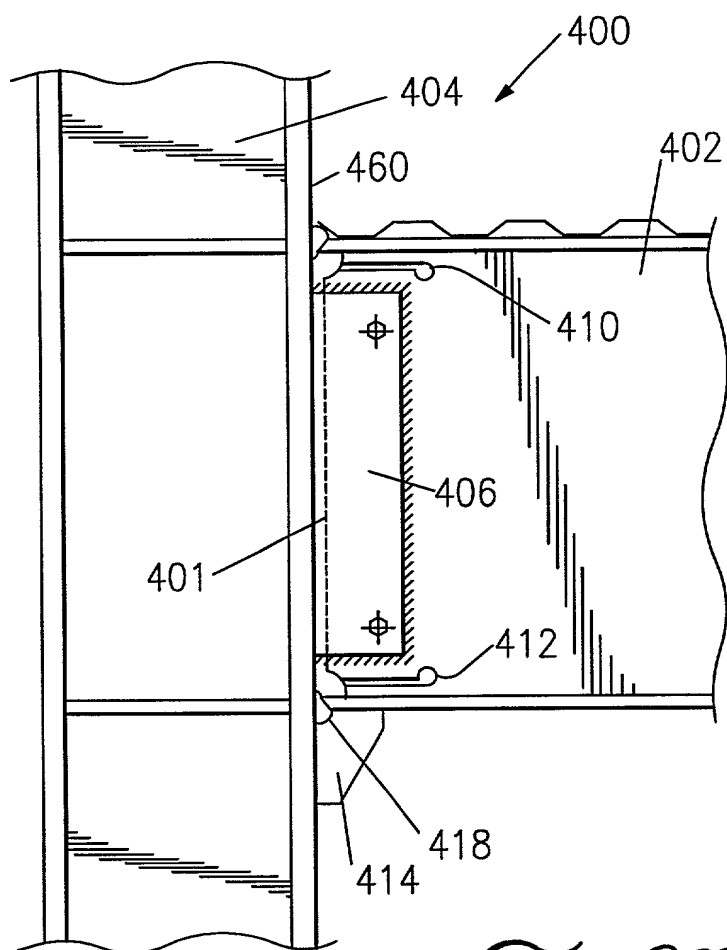
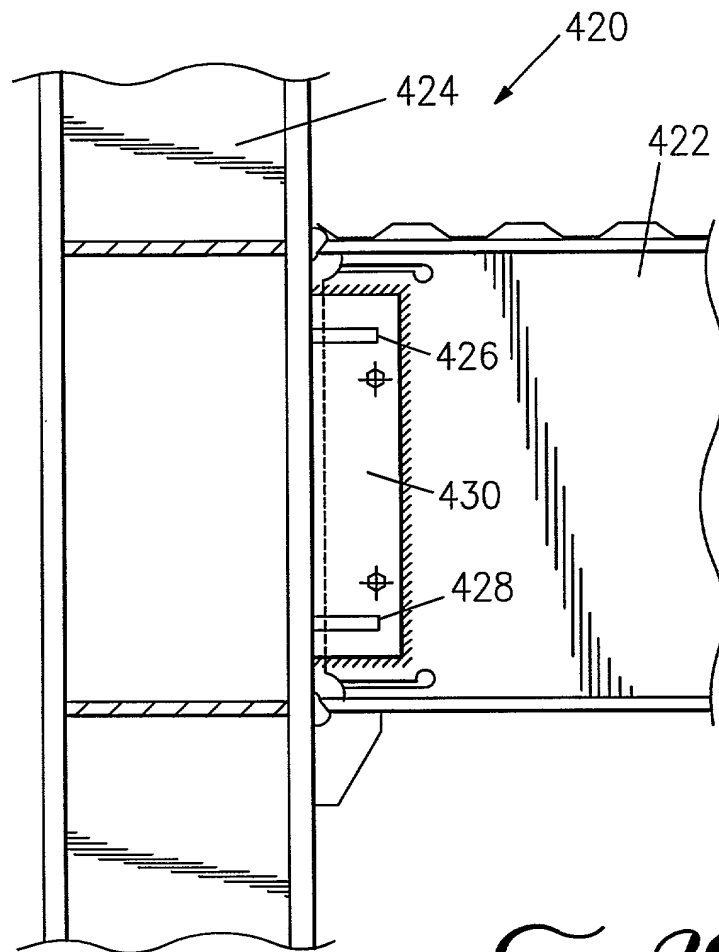


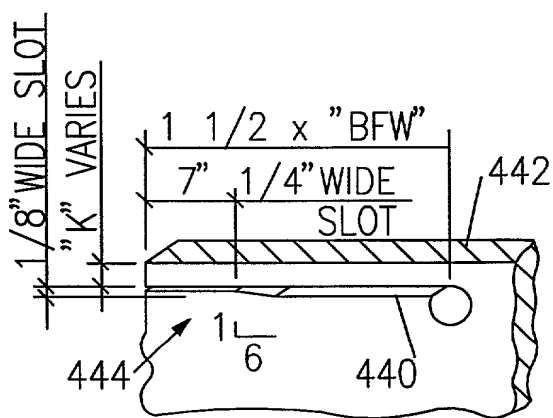
Fig. 25



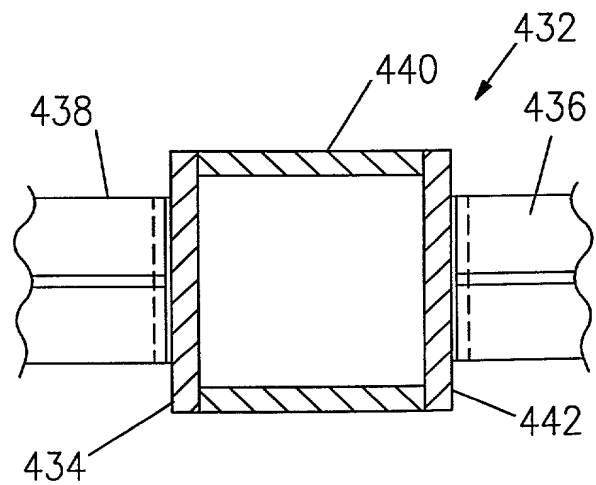




*Ex. 29*

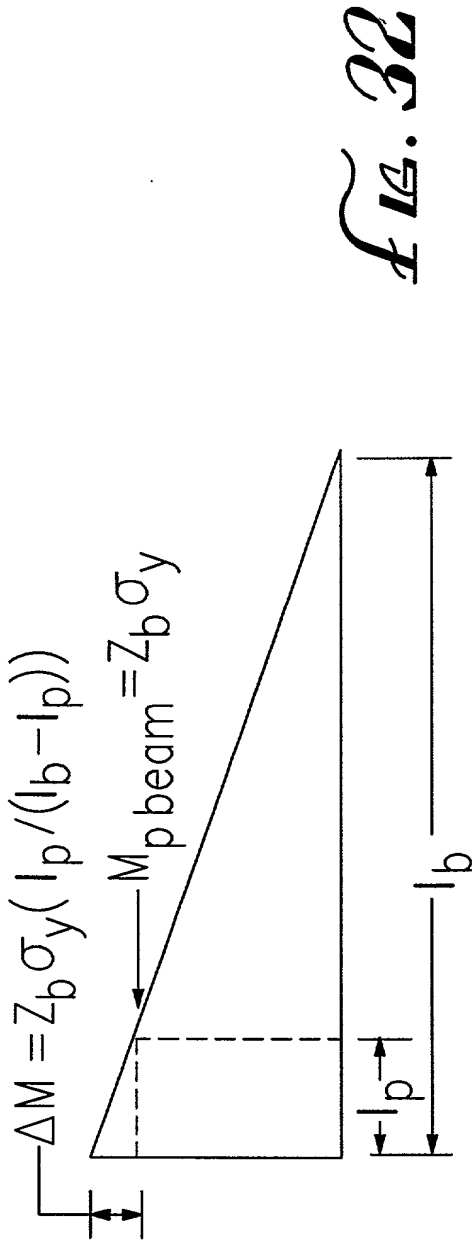


*Fig. 31*

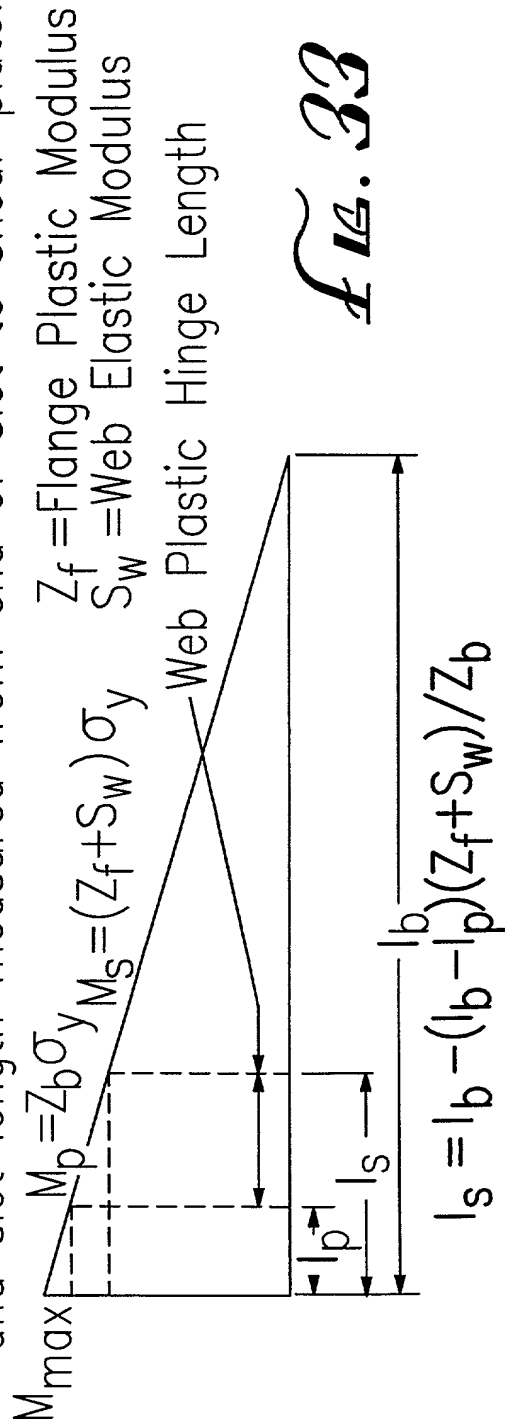


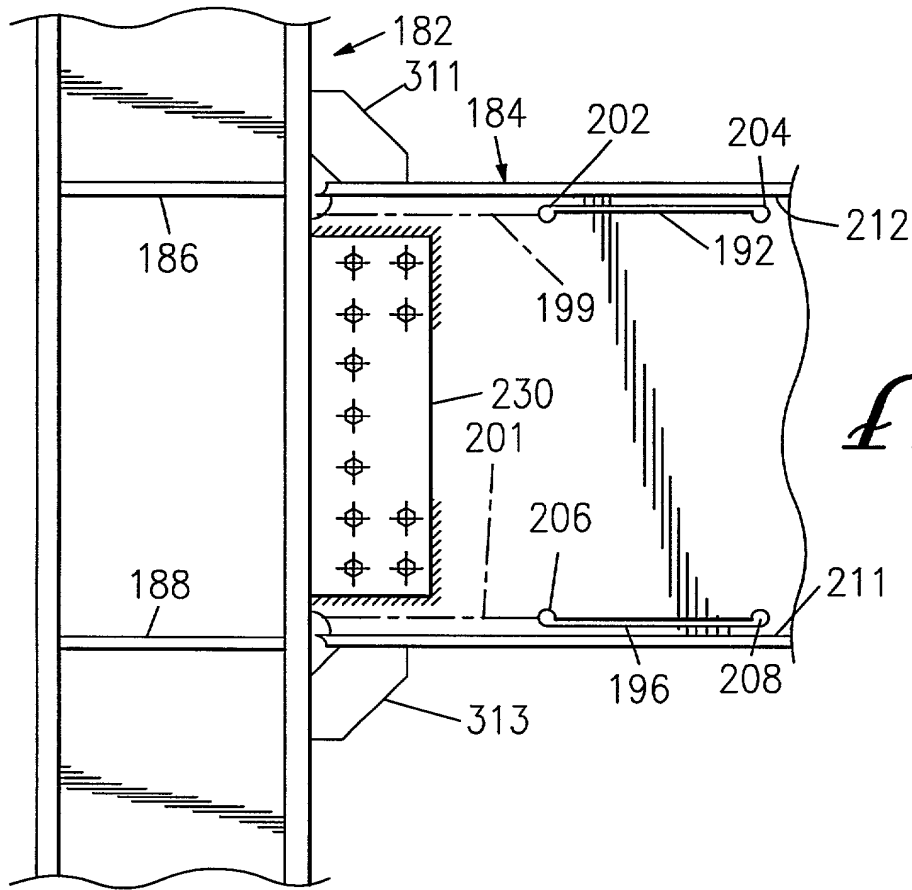
*Fig. 30*

- Develop required plate strength at the column face using ATC-24 moment diagram



- Use ATC-24 moment diagram to compute the web plastic hinge and slot length measured from end of slot to shear plate.





*Fig. 34*